

IN THE SPECIFICATION

Please amend the specification as follows:

Please replace the paragraph that begins on page 2, line 12 with the following new paragraph:

To achieve this object, the present invention provides a system of pneumatic displacement of a cable stretched in a loop between at least two pulleys, including at least one “artificial muscle” inserted on a portion of the loop, the length of this artificial muscle varying according to whether it is or not under pressure, a means 20 for putting or not the artificial muscle under pressure, and means for alternately blocking two of said pulleys in at least one rotation direction.

Please replace the paragraph that begins on page 2, line 23 with the following new paragraph:

According to an embodiment of the present invention, the system includes several artificial muscles in series arranged on the same branch of the loop. Fig. 5 illustrates an example of a pneumatic displacement system comprising two artificial muscles in series arranged on the same branch of the loop.

Please replace the paragraph that begins on page 2, line 32 with the following new paragraph:

According to an embodiment of the present invention, a device to be moved is directly linked to the cable as illustrated in Fig. 3.

Please replace the paragraph that begins on page 3, line 8 with the following new paragraph:

Figs. 1A to 1H show successive phases of operation of a device according to a first embodiment of the present invention; [[and]]

Please replace the paragraph that begins on page 3, line 11 with the following new paragraph:

Figs. 2A to 2H show successive phases of operation of a device according to a second embodiment of the present invention[[.]]; and

Please insert the following new paragraph on page 3, after line 13:

Figs. 3 to 6 are schematic illustrations of various other aspects of the present invention.

Please replace the paragraph that begins on page 3, line 14 with the following new paragraph:

Fig. 1A very schematically shows a first embodiment of a pneumatic displacement system according to the present invention. This system includes a cable, wire, strip, or strap stretched in a closed loop between two pulleys 2 and 3. Each of the pulleys is associated with a remotely controllable blocking system 10, for example, a pneumatic brake or a spring ratchet wheel with a removable locking ratchet, the ratchet being controllable by pneumatic means or by a solenoid. In the loop formed by cable 1 is inserted an artificial muscle 5 such as previously defined. It should be noted that it may be a one-way or two-way blocking system. In Fig. 1A, this muscle is shown in expanded position, which corresponds, for example, to its state under low pressure. Reference A has been used to indicate a point close to an end of artificial muscle 5 and reference B has been used to indicate a point located on the other loop branch. The fact that pulley 2 is blocked (or only allows counterclockwise rotations) has been represented by an arrow. It is also assumed that cable 1 has a certain resistance. Thus, in the state shown in Fig. 1, this cable exhibits a first tension.

Please replace the paragraph that begins on page 6, line 31 with the following new paragraph:

The end pulleys may also be provided, instead of being assembled on fixed points, to be assembled on these points 50 via resilient elements 30 such as springs, as illustrated in Fig. 4. Otherwise, the element linked to the rotating cable may be provided to be associated to this cable via a transmission pulley system 60 which ensures the desired resilience, as illustrated in Fig. 6.